HLA FOM DEVELOPMENT TOOLSET

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BACKGROUND

- **OMTWG development of process model for FOM design and construction highlighted the need for automated tools.**
- **Ability to specify FOM development tool requirements is limited without “hands-on” experience.**
- **Proof-of-concept needed to demonstrate the potential capabilities of an integrated FOM development toolset.**

PURPOSE

Develop an integrated prototype toolset for support of HLA FOM development.

- **Demonstrate automated FOM creation/modification capabilities**
- **Demonstrate utility of FOM/SOM library for reuse**
- **Demonstrate toolset capabilities prior to baseline HLA definition**

STRATEGY

- **Develop two parallel prototype implementations of FOM Development Toolset**
  - **Compare and contrast different implementation approaches**
    - **TASC**
    - **AEgis Research**
  - **Collaboration on common elements where appropriate**
- **Each implementation will conform to a common OMT Data Interchange Format (DIF)**
  - **Developed by EPG/JDBE**

STRATEGY

- **FOM/SOM libraries will be resident in MSRR**
- **Prototype capability demonstration by August (AMG-13)**

CAPABILITIES

Function	Baseline Capability?	Aegis	TASC
FOM Data Entry	X	X	X
FOM Data Modification	X	X	X
FOM Storage/Retrieval	X	X	X
Access/Browse FOM/SOM Repository	X	X	X
Output RTI Initialization Data	X	X	X
Access/Browse Protocol Catalog		X	
Intra-FOM Consistency Checking		X	X
CASE Tool to OMT Format Translation		X	
IDL Syntax Checking		X	X
Files & Schema with MSRR Backend		X	
Common FOM Tool API			X
FOM Merging			X
FOM DB CM			X
WWW FOM Access			X
IDL Generation			X
Documentation		X	X
Architecture		Vis C++, Windows, MS Access, TCP/IP, OLE, Pentium PC	Sun, UNIX, C++, Orbix, X-Motif, Java

STATUS

- **OMT Meta Model complete**
- **Draft DIF available on web**
  - **http://huachuca-jdbe.army.mil/jdbe**
- **Schedules Complete (AEgis) or in progress (TASC)**
- **System design in progress**